

The application was originally made under the Patent Cooperation Treaty with the Soviet Union Patent Office acting as the receiving office on (86) 19 Jun 1980, being given an application number PCT/SU80/00104. The application was searched by the Soviet Union Patent Office acting as the International Search Authority (ISA), and published by the International Bureau on (87) 14 May 1981 under serial number WO81/01290 in the Russian language. The text of the application is contained in the publication made by the International Bureau as above identified. The accompanying text being an English translation thereof.

# (12) UK Patent Application (19) GB (11) 2 114 578 A

(21) Application No 8120002

(22) Date of filing

19 Jun 1980

(30) Priority data

(31) 2831351

2912552

2912551

(32) 6 Nov 1979

28 Feb 1980

28 Feb 1980

(33) Soviet Union (SU)

(43) Date of issue

24 Aug 1983

(51) INT CL<sup>3</sup> (AS GIVEN BY  
ISA) C08F 220/56 C08L  
33/26

(52) Domestic classification

C3L DF

C3P JG

C3W 210 227

C3Y B370 E300

U1S 1040 1064 1068

1336 C3L C3P

(56) Documents cited by ISA

GB A 1288438

GB A 1319751

US A 3046201

SU A 659619

(58) Field of search by ISA

INT Cl<sup>2</sup>

C08F 220/56

C08L 33/26

C12K 1/06

INT Cl C08 15/02

C08F 29/00

German 39c 25/01

US-195-100

260-89.7

526-307

GB 2(6) P

C3P

C6F FR group 14 class 5

8 CH 37h AT 39-6 12

14

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(54) Polyacrylamide gel for medical and biological application and method of its preparation

(57) A polyacrylamide gel for medical and biological application contains polyacrylamide and physiological solution with the following ratio of components (in % by weight):

polyacrylamide 3.0-28.0  
physiological solution 72.0-97.0

The method of preparation of the said polyacrylamide gel comprises polymerization of acrylamide together with methylene-bis-acrylamide and elution of the final product, both polymerization and elution be-

ing carried out in the medium of the physiological solution. The polyacrylamide gel can be used as a base of nutrient mediums for growing microorganisms, artificial crystalline lenses and elastic contact lenses.

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